

# BRITISH CIVIL AIRCRAFT

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FLIGHT

Make and Designation	General Category	Power Plant	Max Power (or Thrust) at Height (ft)	Span (ft) (in)	Length (ft) (in)	Wing Area (sq ft)	Normal Gross Weight (lb)	Max Speed at Height (m.p.h.) (ft)	Max Cruising Speed at Height (m.p.h.) (ft)	Initial Rate of Climb (ft/min)	Loads and Ranges					Remarks
											Payload (lb)	No. of Passengers	Range at (miles)	Speed at (m.p.h.)	Height at (ft)	
HEAVY TRANSPORT AIRCRAFT																
Avro Tudor III ...	Long-range "V.I.P." transport	4 Rolls-Royce Merlin 621	6,620 h.p. 16,750	120 0	79 3	1,421	78,760	Well over 300 m.p.h.	282 20,000	800	3,130	10	4,000	210	10,000	Day and night accommodation for 8 passengers.
Avro Tudor IV ...	Long-range transport	4 Rolls-Royce Merlin 621	6,620 h.p. 16,750	120 0	85 3	1,421	80,000	Well over 300 m.p.h.	282 20,000	800	10,504	32	2,910	210	10,000	Max range is 4,000 miles.
Bristol 167 (Brabazon I, Mark 2)	Long-range transport	8 Bristol Proteus	28,000 e.h.p. approx	230 0	177 0	5,317	291,200 approx	Well over 300 m.p.h.	—	—	—	100	—	—	—	Prototype (Mk. I) will fly with Centaurus piston engines.
General Aircraft Universal	Short-range transport	4 Bristol Hercules 761	8,000 h.p. 15,500	162 0	99 0	2,916	95,000	240 13,500	170 8,000	—	21,730	—	1,455	170	8,000	Aircraft can be adapted for 90 passengers and 7,000lb of baggage or freight.
Handley Page Hermes IV	Medium/long-range transport	4 Bristol Hercules 763	8,000 h.p. 15,500	113 0	97 0	1,408	82,000	357 20,000	298 24,000	1,020	13,700	40	2,000	298	25,000	Max range 3,500 miles.
Handley Page Hermes V	Medium-range transport	4 Bristol Theseus 763	8,000 h.p. 15,500	113 0	97 0	1,408	84,000	351 15,000	342 25,000	1,950	13,600	40	2,000	335	30,000	Max range 2,820 miles.
Handley Page Hermes VI	Medium/long-range transport	4 Bristol Hercules 763	8,000 h.p. 15,500	113 0	97 0	1,408	82,000	357 20,000	298 25,000	1,080	15,800	40	2,000	298	25,000	Max range 3,940 miles.
Saunders-Roe S.R.45	Long-range transport flying boat	10 Bristol Proteus	33,000 e.h.p. approx	219 6	146 0	—	292,300 approx	Over 350 m.p.h.	—	—	—	Up to 100 30	See Remarks	—	—	Max range 5,000 miles.
Short Solent ...	Medium/long-range transport flying boat	4 Bristol Hercules 637	7,180 h.p. 7,250	112 9	89 5	1,687	75,000	268 7,200	247 4,700	916	10,400	—	1,817	207	—	Max range (11 passengers), 3,162 miles.
MEDIUM TRANSPORT AIRCRAFT																
Airspeed Ambassador	Medium-range transport	2 Bristol Centaurus 661	Engines initially de-rated 4,580 h.p. sea level	115 0	81 3	1,200	52,000	—	312 21,500	1,570	9,195	40 See Remarks 24-31	1,750	240	20,000	40 passengers and luggage weigh 8,360lb.
Armstrong Whitworth Apollo	Medium-range transport	4 A.S. Mamba	4,980 h.p. 11,500	92 0	70 11	986	36,998	—	305 12,500	2,100	7,500	—	1,000	305	20,000	Max range is 1,500 miles.
Armstrong Whitworth Apollo	Medium-range transport	4 Rolls-Royce Merlin 35	4,980 h.p. 11,500	92 0	70 11	986	43,150	—	305 10,000	2,040	7,500	24-31	1,000	290	20,000	Max range is 1,520 miles.
Bristol New-Type 170	Short/medium-range transport	2 Bristol Hercules 638	3,590 h.p. 7,250	108 0	68 4	1,487	40,000	224 6,500	207 4,500	1,080	8,000	—	1,270	162	5,000	Range and load figures apply to Freighter.
Vickers-Armstrongs Viking 1B	Medium-range transport	2 Bristol Hercules 634	3,590 h.p. 7,250	89 3	65 2	882	34,000	304 10,000	263 10,000	1,275	See Remarks	24-27	1,700	210	10,000	Total disposable load is 10,750lb.
Vickers-Armstrongs Nene-Viking	Short-range transport (experimental)	2 Rolls-Royce Nene	10,000lb sea-level static	89 3	65 3	882	34,000	408 10,000	393 10,000	See Remarks	See Remarks	24-27	310	393	10,000	Climbs to 10,000ft in 3 mins.
Vickers-Armstrongs Viscount	Medium-range transport	4 Rolls-Royce Dart	4,000 h.p.+ 1,300lb static	89 0	74 6	885	40,500	331 20,000	See Remarks	1,675	See Remarks	32-36	1,725	276	20,000	Recommended cruising speed is 276 m.p.h. at 20,000ft. Total disposable load is 13,050lb.
Vickers-Armstrongs Viscount	Medium-range transport	4 Napier Naiad	6,000 h.p.+ 960lb static	89 0	74 6	885	43,500	370 25,000	See Remarks	1,850	See Remarks	32-36	1,725	316	25,000	Recommended cruising speed is 316 m.p.h. at 25,000ft. Total disposable load is 15,800lb.
LIGHT TRANSPORT AIRCRAFT																
Airspeed Consul ...	Short-range transport	2 A.S. Cheetah 10	710 h.p. 7,000	53 4	35 4	348	8,250	175 4,800	156 6,000	1,180	975	5	640	143	10,000	Six passengers can be carried for 455 miles.
Avro XIX ...	Short-range transport	2 A.S. Cheetah 15	810 h.p. 4,000	56 6	42 3	440	10,400	190 5,000	175 5,000	790	1,560	8	356	155	3,000	Nine-passenger version available.
De Havilland Dove...	Short-range transport	2 D.H. Gipsy Queen 70	690 h.p. 7,750	57 0	39 6	335	8,500	210 8,000	202 8,000	850	1,812	8	500	165	8,000	Up to eleven passengers may be carried (no lavatory).
Miles Marathon ...	Short-range transport	4 D.H. Gipsy Queen 71	1,380 h.p. 7,750	65 0	52 1	500	16,500	230 6,300	200 —	1,550	2,800	18	900	175	10,000	Experimental version with two A.S. Mambas is under development.
Percival Prince ...	Short-range transport	2 Alvis Leonides	880 h.p. 8,750	56 0	42 10	365	10,650	222 5,000	185 5,000	1,050	1,760	8	800	140	10,000	Can be equipped for air survey.
Portsmouth Aerocar	Short-range transport	2 Cirrus Major 3	310 h.p. sea level	42 0	26 3	—	3,950	164 5,000	—	—	500	5	1,000	136	5,000	Floatplane version available. Bombardier engines may be fitted.
Short Sealand ...	Short-range transport amphibian	2 D.H. Gipsy Queen 70	690 h.p. 7,750	59 0	42 2	350	8,700	188 6,200	174 6,600	815	See Remarks	7	305	127	10,000	Typical payload is 7 passengers and luggage. Version with Alvis Leonides engines under development.
Sponson Tribian ...	Short-range amphibian	See Remarks	300 h.p. approx	—	—	—	—	140 approx	—	900	—	—	—	—	—	Gipsy Major or Cirrus engines.
Vickers-Supermarine Sea Otter	Short-range transport amphibian	1 Bristol Mercury 30	855 h.p. 4,500	46 0	39 9	610	10,000	150 5,000	—	795	See Remarks	4-5	510	100	5,000	Max range is 690 miles. Disposable load is 3,500lb. Wheels detachable, allowing 330lb more payload.
PRIVATE-OWNER, CLUB AND TAXI AIRCRAFT																
Auster Autocrat ...	Taxi, club or private-owner type	1 Cirrus Minor 2	100 h.p. sea level	36 0	23 5	185	1,850	120 sea level	100 sea level	568	608	3	320	100	1,000	Take-off run (5-m.p.h. wind) is 212 yds.
Auster Avia...	Taxi or private-owner type	1 D.H. Gipsy Major 10	145 h.p. sea level	36 4	23 6	185	2,550	113 sea level	100 sea level	520	780	4	500	100	1,000	Take-off distance (5-m.p.h. wind) is 130 yds.
Chrislea Super Ace, Series II	Taxi or private-owner type	1 D.H. Gipsy Major 10	145 h.p. sea level	36 0	21 6	177	2,342	126 2,000	112 2,000	750	780	4	Over 400	112	2,000	Range can be increased to 550 miles.
Elliot (Newbury) Eon	Taxi or private-owner type	1 D.H. Gipsy Major 10	145 h.p. sea level	37 0	25 0	173	2,350	136 1,000	116 1,000	675	—	4	—	—	—	3-seater (2,150lb) and 2-seater (1,950 lb) have increased performance.
Planet Satellite ...	Taxi or private-owner type	1 D.H. Gipsy Queen 31	250 h.p. sea level	32 6	26 3	153	2,905	208 sea level	191 2,000	1,450	880	4	1,000	—	—	Range (pilot only) is 2,450 miles. Take-off run to 50ft is 310 yd.
Slingsby Motor Tutor	Club or private-owner type	1 Aeronca J.A.P.	37 h.p. sea level	43 4	20 10	170	790	—	60 sea level	—	—	1	200	60	1,000	May be available in kit or semi-kit form.